ME.80-14/6ASW-PK BATTERY CHARGER/POWER SUPPLY USER MANUAL

WARNING!
This device, like all electrical products, MUST be treated with respect. Follow these instructions to reduce electrical hazard risk. The device MUST be grounded to reduce risk of electrical shock.

Input and output connectors and indicator of the device:

Usage of the device:

The device operates either as a battery charger or as a power supply. You can choose the operating mode by setting of the nominal output voltage by a potentiometer installed inside the device. The adjusted nominal voltage has to be measured by a multimeter. If the nominal voltage is under 12.5 VDC the device operates as a power supply (there is no deep discharge), above 13 VDC it operates as a battery charger.

1. Battery charger

Contact the output **BATT** to the battery and output **DC OUT** to the load.The output voltage is 13,8 V at both contacts, max. output current is 6 A. At the design of the load please pay attention to the current of the charger, this is determined by the loadability of the charger.The total load at the outputs **BATT** and **DC OUT** can be max. 6 A. Pay attention to the right polarity!Plug the mains voltage to the input contact **AC IN 230V 50/60Hz.**

The meaning of the STATE signal:

Blinking green:	Mains and battery voltage is OK
Bilking green-red:	Mains voltage failure (in battery mode)
Blinking red:	Battery deep discharge

The device charges the battery automatically (according to I-U characteristic), there is no need to any intervention. In case of mains power cut the device prevents the deep discharge or failure of the battery by switching off the load at below 10.5V battery voltage.

2. Power supply

Application example: supply of 12VDC cameras

Connect the mains voltage to the input connector **230V 50/60Hz**.
Adjust the output voltage by potentiometer installed inside the device to 12V measured by a multimeter.
Use the connector **DC OUT** and/or **BATT**. **Max loading current is 6A**.

The meaning of the STATE signal:

Continuous green:	Output is OK
Continuous red:	Output is overloaded

The signal alters from green to red if the output voltage run under 11 VDC.

Specifikations

Input:230V 50/60Hz ±10%
Output voltage:12V-13,8V
Output current:6A
Insultation class:I.
Protection:IP 00
Max ambient temperature:50℃